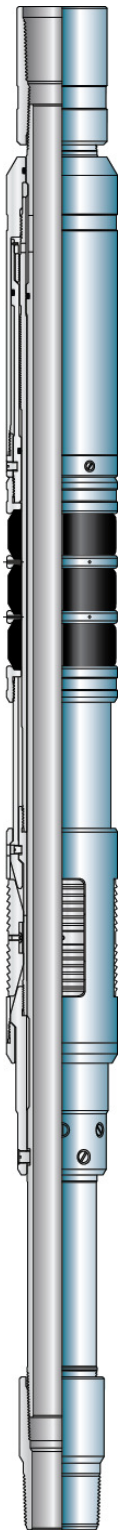
TECHSEAL HYDRAULIC PACKER

PRODUCT 20-335



The ***TechWest TechSeal*** is a compact and reliable single string hydraulic-set retrievable packer using opposing slips to hold in compression, tension or neutral.

Tubing manipulation is not required to set the tool and is ideal for use in highly deviated and/or deep wells unsuitable for mechanically set packers. This also allows the operator to set the packer once the well is flanged up, promoting improved saftey and well control.

Additionaly, no mandrel movement occurs during setting, providing the versitility to use the packer for multi-packer completions. Multiple packers can be set simultaneously or staged with optional wireline controlled selective setting.

When used for multi-packer completions, each TechSeal packer is often ran in parallel with a TechSeal Releasing Sub (20-336). The releasing sub allows tension to be applied directly to the uppermost set packer, providing improved success when unsetting.

FEATURES

- 7.5k packer suitable for medium pressure applications.
- Minimum number of internal elastomeric seals for increased reliability.
- Straight pick-up shear release system, which is fully adjustable.
- Easily adjustable setting trigger.
- Short compact design is ideal for highly deviated wells.
- Multi-Durometer three-piece element system.
- All components locked to prevent preset.

OPERATION

The packer(s) is run to depth. Pressuring up against a plugging device such as a pump out plug or wireline blanking plug sets the packer(s). Setting pressure required depends on packer size and element system (minimum setting pressure 2,000 psi)

To release pull tension in excess of the releasing shear value is pulled on the tubing. This will open the equalizing system and release the packer.

SPECIFICATIONS

20-335 SPECIFICATIONS									
CASING			PACKER						
Size	Weight		Product Number	Gauge OD		ID		Connection	
in / mm	lbs/ft	kg/m		in	mm	in	mm	in	mm
4 101.6	11.6	17.3	**20-335-1940**	3.328	84.5	1.610	40.9	1.900	48.3
	9.5	14.1	**20-335-2340**	3.42	86.9	1.938	49.2	2.375	60.3
4 1/2 114.3	9.5-13.5	14.1-20.1	**20-335-2344**	3.7	94	1.938	49.2	2.375	60.3
			20-335-2345	3.771	95.8				
5 127.0	20.8	31	**20-335-2349**	3.917	99.5	1.938	49.2	2.375	60.3
	15.0-18.0	22.3-26.8	**20-335-2350**	4.125	104.8				
	11.5-13.0	17.1-19.3	**20-335-2351**	4.25	108				
5 1/2 139.7	20.0-23.0	29.8-34.2	**20-335-2355**	4.5	114.3	1.938	49.2	2.375	60.3
	15.5-20.0	23.1-29.8	**20-335-2356**	4.641	117.9				
	13.0-14.0	19.3-20.8	**20-335-2357**	4.781	121.4				
	15.5-20.0	23.1-29.8	**20-335-2756**	4.641	117.9	2.375	60.3	2.875	73
	13.0-14.0	19.3-20.8	**20-335-2757**	4.781	121.4				
5 3/4 146.1	17.0-19.5	25.3-29.0	**20-335-2758**	4.95	125.7	2.375	60.3	2.875	73
6 5/8 168.3	28.0-32.0	41.7-47.6	**20-335-2766**	5.484	139.3	2.375	60.3	2.875	73
	24.0-28.0	35.7-41.7	**20-335-2767**	5.625	142.9				
7 177.8	32.0-35.0	47.6-52.1	**20-335-2770**	5.812	147.6	2.500	63.5	2.875	73
	26.0-29.0	38.7-43.2	**20-335-2771**	5.958	151.6				
	20.0-26.0	29.8-38.7	**20-335-2772**	6.078	154.4				
	17.0-20.0	25.3-29.8	**20-335-2773**	6.266	159.2				
	32.0-35.0	47.6-52.1	**20-335-3570**	5.812	147.6	3.000	76.2	3.500	88.9
	26.0-29.0	38.7-43.2	**20-335-3571**	5.958	151.6				
	20.0-26.0	29.8-38.7	**20-335-3572**	6.078	154.4				
	17.0-20.0	25.3-29.8	**20-335-3573**	6.266	159.2				
7 5/8 193.7	33.7-39.0	50.1-58.0	**20-335-2775**	6.453	163.9	2.500	63.5	2.875	73
	24.0-29.7	35.7-44.2	**20-335-2776**	6.672	169.5				
	33.7-39.0	50.1-58.0	**20-335-3575**	6.453	163.9	3.000	76.2	3.500	88.9
	24.0-29.7	35.7-44.2	**20-335-3576**	6.672	169.5				
8 5/8 219.1	44.0-49.0	65.5-72.9	**20-335-3585**	7.312	185.7	3.000	76.2	3.500	88.9
	32.0-40.0	47.6-59.5	**20-335-3586**	7.531	191.3				
	29.0-35.0	43.2-52.1	**20-335-3588**	7.856	199.5				
	20.0-28.0	29.8-41.7	**20-335-3587**	7.781	197.6				
9 5/8 244.5	47.0-53.5	69.9-79.6	**20-335-2795**	8.218	208.7	2.500	63.5	2.875	73
	40.0-47.0	59.5-69.9	**20-335-2796**	8.437	214.3				
	47.0-53.5	69.9-79.6	**20-335-3595**	8.218	208.7	3.000	76.2	3.500	88.9
	40.0-47.0	59.5-69.9	**20-335-3596**	8.437	214.3				
	47.0-53.5	69.9-79.6	**20-335-4595**	8.218	208.7	4.000	101.6	4.500	114.3
	40.0-47.0	59.5-69.9	**20-335-4596**	8.437	214.3				
	29.3-36.0	43.6-53.6	**20-335-4597**	8.593	218.3				